

FIGURE 1

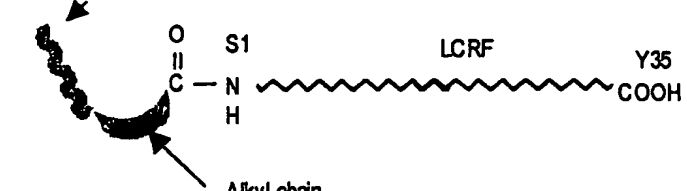
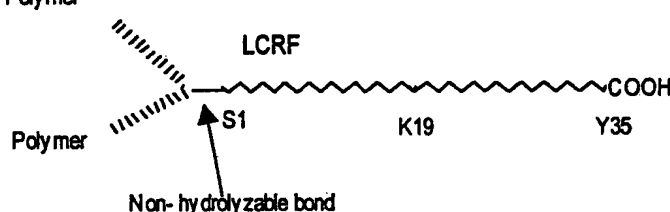
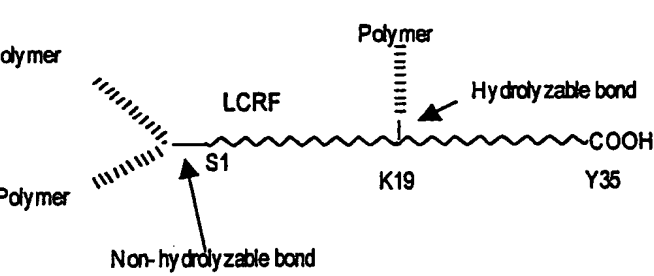
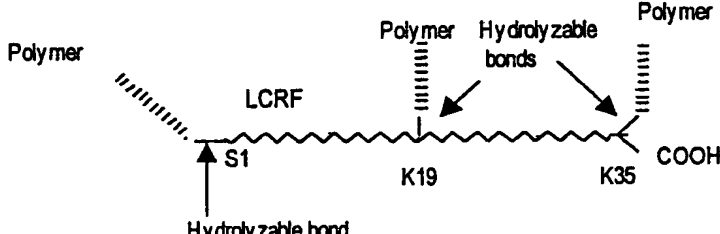
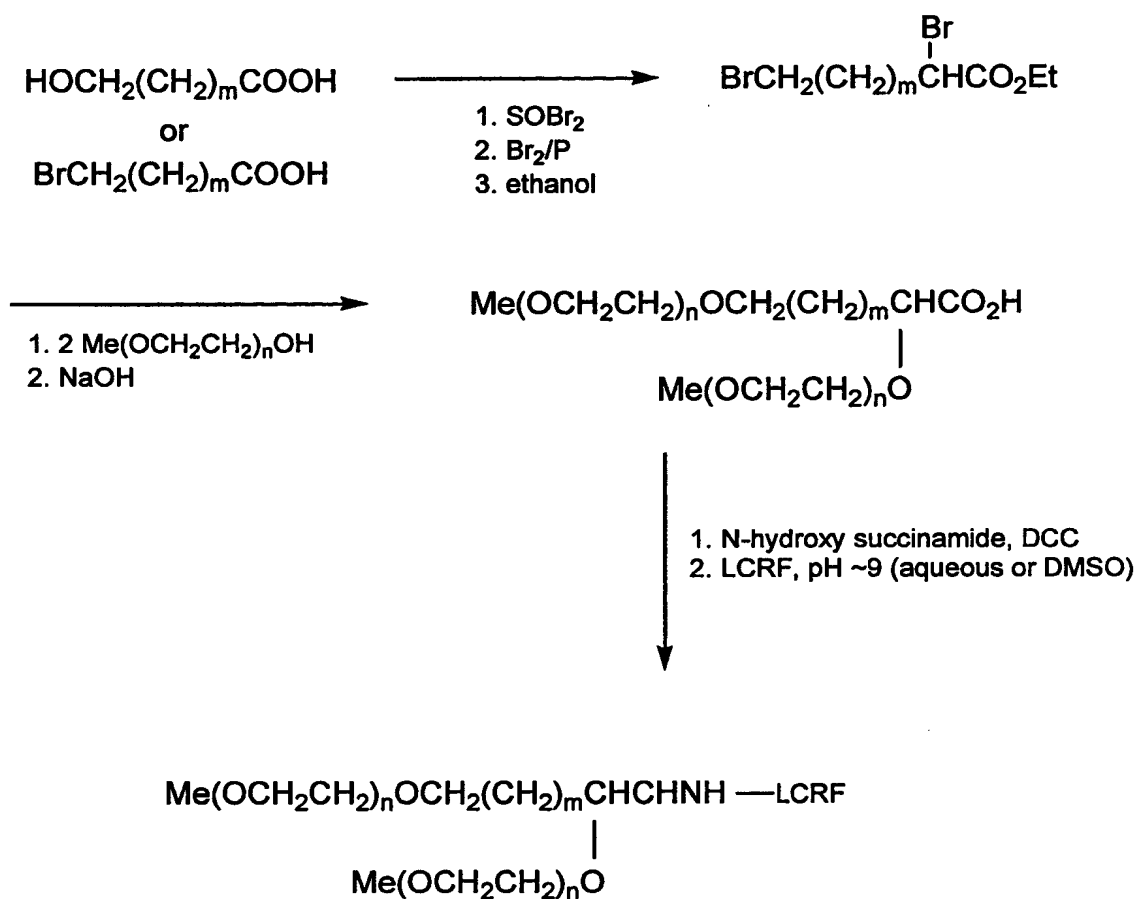
<p>Oligomer Construction</p> <p>hydrophobic portion: alkyl chain (2-22 carbon) hydrophilic portion: PEG (2-5 kDa)</p>	<p>PEG oligomer or polymer</p>  <p>Alkyl chain</p>
<p>Design 1</p> <p>Branched polymer on N-term, non- hydrolyzable linkage, C-term and K19 un-conjugated</p>	<p>Polymer</p>  <p>LCRF</p> <p>S1</p> <p>K19</p> <p>Y35</p> <p>Non- hydrolyzable bond</p>
<p>Design 2</p> <p>Branched polymer on N-term, non- hydrolyzable linkage, K19 epsilon N conjugated to a linear polymer with a hydrolyzable linkage, C-term un-conjugated</p>	<p>Polymer</p>  <p>LCRF</p> <p>S1</p> <p>K19</p> <p>Y35</p> <p>Non- hydrolyzable bond</p> <p>Hydrolyzable bond</p>
<p>Design 3</p> <p>Linear polymer on N-term, Hydrolyzable linkage, K19 and K35 epsilon N and conjugated to a linear polymer with a hydrolyzable linkages. Y35 → K35 mutation</p>	<p>Polymer</p>  <p>LCRF</p> <p>S1</p> <p>K19</p> <p>K35</p> <p>COOH</p> <p>Hydrolyzable bond</p> <p>Hydrolyzable bonds</p>

FIGURE 2



n is from 3 to 230 and m is from 0 to 20

FIGURE 3